

A comparison of a discrete-time PI and an indirect MPC current controllers for a single-phase grid-connected inverter operating with distorted grid and significant computation feedback delay

Pimentel, Sergio Pires; Husev, Oleksandr; Vinnikov, Dmitri; Stepenko, Serhii; Kütt, Lauri; Rodriguez, Jose 2019 IEEE 15th Brazilian Power Electronics Conference and 5th IEEE Southern Power Electronics Conference (COBEP/SPEC) 2019 / 6 p.: ill <https://doi.org/10.1109/COBEP/SPEC44138.2019.9065396>

Digital twins in extended reality for control system applications

Jeršov, Stanislav; Tepljakov, Aleksei 2020 43rd International Conference on Telecommunications and Signal Processing : TSP 2020, Milan, Italy, July 7-9, 2020 2020 / art. 162353, p. 274-279 <https://doi.org/10.1109/TSP49548.2020.9163557>

FOPID controllers and their industrial applications: a survey of recent results

Tepljakov, Aleksei; Alagoz, Baris Baykant; Petlenkov, Eduard IFAC-PapersOnLine 2018 / p. 25-30 <https://doi.org/10.1016/j.ifacol.2018.06.014> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

NN-SANARX model based control of a water tank system using embedded microcontroller Arduino

Škiparev, Vjatseslav; Belikov, Juri; Petlenkov, Eduard Proceedings of the 2019 10th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications : IDAACS'2019, 18-21 Sept. 2019 2019 / p. 372-377 : ill <https://doi.org/10.1109/IDAACS47747.2019>

Towards industrialization of FOPID controllers : a survey on milestones of fractional-order control and pathways for future developments

Tepljakov, Aleksei; Alagoz, Baris Baykant; Yeroglu, Celaleddin; Gonzalez, Emmanuel A.; HosseinNia Kani, Seyed Hassan; Petlenkov, Eduard; Ates, Abdullah; Cech, Martin IEEE Access 2021 / p. 21016-21042 <https://doi.org/10.1109/ACCESS.2021.3055117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Trichoderma : biodiversity, ecological significances, and industrial application

Sharma, Sushma; Kour, Divjot; Rana, Kusam Lata; Sudheer, Surya Recent advancement in white biotechnology through fungi. Volume 1. Diversity and enzymes perspectives 2019 / p. 85-120 https://doi.org/10.1007/978-3-030-10480-1_3

Tungsten carbide material tribology and circular economy relationship in polymer and composites industries

Hussain, Abrar; Podgurski, Vitali; Antonov, Maksim; Abbas, Muhammad Mujtaba; Rizwan, Muhammad Proceedings of the Institution of Mechanical Engineers, Part L : Journal of Materials : Design and Applications 2022 / p. 2066-2073 <https://doi.org/10.1177%2F14644207221096929> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)